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**Art Unit: 2819**

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**From : Winston Hsu, Registration No. 41,526**

**Serial No.: 10/709,198**

**Attorney Docket No.: REAP0009USA4**

**Subject: Information Disclosure Statement (IDS)**

**Total Pages: 6 pages (including cover page)**

**Winston Hsu 2006/05/16**

**REAP0009USA4\_D1\_4**

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PTO/SB/21 (09-04)

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|   |                      |                        |              |
|---|----------------------|------------------------|--------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/709,198             |              |
|   | Filing Date          | 04/20/2004             |              |
|   | First Named Inventor | Ying-Yao Lin           |              |
|   | Art Unit             | 2819                   |              |
|   | Examiner Name        | NGUYEN, LINH V         |              |
| Total Number of Pages in This Submission  | 5                    | Attorney Docket Number | REAP0009USA4 |

| ENCLOSURES (Check all that apply)  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.63 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify<br>below): |
| Remarks  |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |          |        |
|--|---|----------|--------|
| Firm Name                                  | North America Intellectual Property Corporation |          |        |
| Signature                                  | <i>Winston Hsu</i>                              |          |        |
| Printed name                               | Winston Hsu                                     |          |        |
| Date                                       | 5/16/2006                                       | Reg. No. | 41,526 |

| CERTIFICATE OF TRANSMISSION/MAILING   |                  |      |           |
|---|------------------|------|-----------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |                  |      |           |
| Signature   | <i>Byron Yen</i> |      |           |
| Typed or printed name   | Byron Yen        | Date | 5/16/2006 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 180.00**Complete if Known**

|                      |                |
|----------------------|----------------|
| Application Number   | 10/709,198     |
| Filing Date          | 04/20/2004     |
| First Named Inventor | Ying-Yao Lin   |
| Examiner Name        | NGUYEN, LINH V |
| Art Unit             | 2819           |
| Attorney Docket No.  | REAP0009USA4   |

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: **60-3105** Deposit Account Name: North America Intellectual Property Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  |             | Small Entity Fee (\$) |             | Small Entity Fee (\$) |                  | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES**

| Fee Description  | Small Entity Fee (\$) | Fee Paid (\$) |
|--|-----------------------|---------------|
| Each claim over 20 (including Reissues)                                | 50                    | 25            |
| Each independent claim over 3 (including Reissues)                     | 200                   | 100           |
| Multiple dependent claims  | 360                   | 180           |
| <b>Total Claims</b>  |                       |               |
| 20 or HP = _____ x _____ = _____                                       |                       |               |
| HP = highest number of total claims paid for, if greater than 20.      |                       |               |
| <b>Indep. Claims</b>   |                       |               |
| 3 or HP = _____ x _____ = _____  |                       |               |
| HP = highest number of independent claims paid for, if greater than 3. |                       |               |

|                     |                     |                 |                      |
|---------------------|---------------------|-----------------|----------------------|
| <b>Total Claims</b> | <b>Extra Claims</b> | <b>Fee (\$)</b> | <b>Fee Paid (\$)</b> |
|---------------------|---------------------|-----------------|----------------------|

|                                  |  |
|----------------------------------|--|
| 20 or HP = _____ x _____ = _____ |  |
|----------------------------------|--|

|   |  |
|---|--|
| HP = highest number of total claims paid for, if greater than 20. |  |
|---|--|

|                      |                     |                 |                      |
|----------------------|---------------------|-----------------|----------------------|
| <b>Indep. Claims</b> | <b>Extra Claims</b> | <b>Fee (\$)</b> | <b>Fee Paid (\$)</b> |
|----------------------|---------------------|-----------------|----------------------|

|                                 |  |
|---------------------------------|--|
| 3 or HP = _____ x _____ = _____ |  |
|---------------------------------|--|

|  |  |
|--|--|
| HP = highest number of independent claims paid for, if greater than 3. |  |
|--|--|

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

|                     |                     |   |                 |                      |
|---------------------|---------------------|---|-----------------|----------------------|
| <b>Total Sheets</b> | <b>Extra Sheets</b> | <b>Number of each additional 50 or fraction thereof</b> | <b>Fee (\$)</b> | <b>Fee Paid (\$)</b> |
| 100 + _____         | _____ / 50          | _____ (round up to a whole number)                      | x _____         | = _____              |

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): submission of Information Disclosure Statement

**Fees Paid (\$)**

180.00

**SUBMITTED BY**

|                   |                    |                                   |           |           |            |
|-------------------|--------------------|-----------------------------------|-----------|-----------|------------|
| Signature         | <i>Winston Hsu</i> | Registration No. (Attorney/Agent) | 41,526    | Telephone | 3027291562 |
| Name (Print/Type) | Winston Hsu        | Date                              | 5/16/2006 |           |            |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**Complete if Known**

|       |   |    |   |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

|                        |                |
|------------------------|----------------|
| Application Number     | 10/709,198     |
| Filing Date            | 04/20/2004     |
| First Named Inventor   | Ying-Yao Lin   |
| Art Unit               | 2819           |
| Examiner Name          | NGUYEN, LINH V |
| Attorney Docket Number | REAP0009USA4   |

[illegible][illegible]

|                       |                    |
|-----------------------|--------------------|
| Examiner<br>Signature | Date<br>Considered |
|-----------------------|--------------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ying-Yao Lin et al.

Appl. No.: 10/709,198

Filing Date: 04/20/2004

Examiner: NGUYEN, LINH V

Art Unit: 2819

Docket No.: REAP0009USA4

Confirmation No.: 3197

Title: LINEAR-IN-DECIBEL VARIABLE GAIN AMPLIFIER

To: Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Subject: Information disclosure statement under 37  
CFR §1.56

Dear Sir,

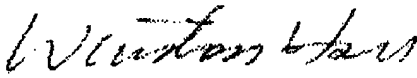
This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. The applicant wishes to make of record the document(s) listed on the accompanying form PTO/SB/08.

Since this IDS is filed after the mailing date of notice of allowance but before payment of the issue fee, consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97 (a). <sup>05/18/2006 TRESHAWL 00000036 503105 10709198</sup> And the fee of submission of an information disclosure statement <sup>01/06/2006</sup> set forth in §1.17 (p) is enclosed to fulfill §1.97 requirement.

That each item of information contained in the information disclosure statement was first cited in an Office communication mailed on March 01, 2006 for the counterpart US patent application number 10/709,197, which are no more than three months prior to the filing of the information disclosure statement.

It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

Respectfully submitted,



Date: May 16, 2006

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

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